

James M Kurdzo

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

242
citations

9
h-index

15
g-index

28
ext. papers

333
ext. citations

2.5
avg, IF

3.28
L-index

#	Paper	IF	Citations
25	Towards the Next Generation Operational Meteorological Radar. <i>Bulletin of the American Meteorological Society</i> , 2021 , 102, E1357-E1383	6.1	4
24	Mobile Radar Observations of the Evolving Debris Field Compared with a Damage Survey of the Shawnee, Oklahoma, Tornado of 19 May 2013. <i>Monthly Weather Review</i> , 2020 , 148, 1779-1803	2.4	2
23	Weather Radar Network Benefit Model for Flash Flood Casualty Reduction. <i>Journal of Applied Meteorology and Climatology</i> , 2020 , 59, 589-604	2.7	2
22	The WSR-88D Inanimate Hydrometeor Class. <i>Journal of Applied Meteorology and Climatology</i> , 2020 , 59, 841-858	2.7	1
21	Weather Radar Network Benefit Model for Nontornadic Thunderstorm Wind Casualty Cost Reduction. <i>Weather, Climate, and Society</i> , 2020 , 12, 789-804	2.3	1
20	Geospatial QPE Accuracy Dependence on Weather Radar Network Configurations. <i>Journal of Applied Meteorology and Climatology</i> , 2020 , 59, 1773-1792	2.7	1
19	Analysis of Debris Signature Characteristics and Evolution in the 24 May 2016 Dodge City, Kansas, Tornadoes. <i>Monthly Weather Review</i> , 2020 , 148, 5063-5086	2.4	1
18	High-Temporal Resolution Observations of the 27 May 2015 Canadian, Texas, Tornado Using the Atmospheric Imaging Radar. <i>Monthly Weather Review</i> , 2019 , 147, 873-891	2.4	10
17	Weather Radar Network Benefit Model for Tornadoes. <i>Journal of Applied Meteorology and Climatology</i> , 2019 , 58, 971-987	2.7	6
16	A Neural Network Approach for Waveform Generation and Selection with Multi-Mission Radar 2019 ,		5
15	2019 ,		3
14	Quantification of radar QPE performance based on SENSR network design possibilities 2018 ,		2
13	Ground-Based Radar Technologies for Tornado Observations. <i>Springer Remote Sensing/photogrammetry</i> , 2018 , 65-112	0.2	
12	Analysis of the 16 May 2015 Tipton, Oklahoma, EF-3 Tornado at High Spatiotemporal Resolution Using the Atmospheric Imaging Radar. <i>Monthly Weather Review</i> , 2018 , 146, 2103-2124	2.4	10
11	Polarimetric Observations of Chaff Using the WSR-88D Network. <i>Journal of Applied Meteorology and Climatology</i> , 2018 , 57, 1063-1081	2.7	5
10	Observations of a Cold Front at High Spatiotemporal Resolution Using an X-Band Phased Array Imaging Radar. <i>Atmosphere</i> , 2017 , 8, 30	2.7	3
9	Observations of Severe Local Storms and Tornadoes with the Atmospheric Imaging Radar. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 915-935	6.1	32

8	High-Temporal Resolution Polarimetric X-Band Doppler Radar Observations of the 20 May 2013 Moore, Oklahoma, Tornado. <i>Monthly Weather Review</i> , 2015 , 143, 2711-2735	2.4	32
7	2015,		2
6	A brief overview of weather radar technologies and instrumentation. <i>IEEE Instrumentation and Measurement Magazine</i> , 2014 , 17, 10-15	1.4	16
5	A Pulse Compression Waveform for Improved-Sensitivity Weather Radar Observations. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014 , 31, 2713-2731	2	28
4	Optimized NLFM pulse compression waveforms for high-sensitivity radar observations 2014,		20
3	Objective Optimization of Weather Radar Networks for Low-Level Coverage Using a Genetic Algorithm. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012 , 29, 807-821	2	13
2	Millstone Hill ISR observations of upper atmospheric long-term changes: Height dependency. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		40
1	On the use of genetic algorithms for optimization of a multi-band, Multi-Mission radar network 2011,		2